## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

					DIVISION C		GAS AND MI				AMENI	DED REPOR	Т		
APPLICATION FOR PERMIT TO DRILL										1. WELL NAME and NUMBER NBU 921-20A1CS					
2. TYPE OF WORK  DRILL NEW WELL REENTER P&A WELL DEEPEN WELL										3. FIELD OR WILDCAT NATURAL BUTTES					
4. TYPE OF WELL  Gas Well Coalbed Methane Well: NO										5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES					
6. NAME OF OPERATOR  KERR-MCGEE OIL & GAS ONSHORE, L.P.										7. OPERATOR PHONE 720 929-6515					
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217										9. OPERATOR E-MAIL julie.jacobson@anadarko.com					
	AL LEASE NUM L, INDIAN, OR S			11. MINERAL OWNERSHIP  FEDERAL I INDIAN STATE FEE					12. SURFACE OWNERSHIP FEDERAL INDIAN STATE FEE						
13. NAME	OF SURFACE	14. SURFACE OWNER PHONE (if box 12 = 'fee')													
15. ADDR	ESS OF SURFA	16. SURFACE OWNER E-MAIL (if box 12 = 'fee')													
17. INDIAN ALLOTTEE OR TRIBE NAME					18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS					19. SLANT					
(IT BOX 12	? = 'INDIAN')	Ute Tribe		YES (Submit Commingling Application) NO					VERTICAL DIRECTIONAL HORIZONTAL						
20. LOCATION OF WELL					OOTAGES		QTR-QTR		SECTION	TOWNSHIP	RANGE		MERIDIAN		
LOCATION AT SURFACE 764				FNL 2253 FEL		NWNE			20	9.0 S	21	21.0 E		S	
Top of Uppermost Producing Zone 413				FNL 49	FNL 491 FEL		NENE		20	9.0 S	21	21.0 E		S	
At Total Depth 413				FNL 49	NL 491 FEL		NENE		20 9.0 S		21	21.0 E		S	
21. COUN	REST LE	EASE LINE (Fe	eet)		23. NUMBER OF ACRE	S IN DRI		Т							
25. DISTANCE TO NEAREST V (Applied For Drilling or Com										<b>26. PROPOSED DEPTH</b> MD: 11727 TVD: 11392					
27. ELEVATION - GROUND LEVEL 4874					28. BOND NUMBER WYB000291					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496					
Hole, Casing, and Cement Information															
String	Hole Size	Casing Size	Length	Weight	Grade & T	hread	Max Mu	d Wt.		Cement		Sacks	Yield	Weight	
Surf	11	8.625	0 - 2950	28.0	J-55 LT	&C 0.		2		Type V Class G		180 270	1.15	15.8	
Prod	7.875	4.5	0 - 11727	11.6	HCP-110	LT&C	12.	.5	Prer	nium Lite High Strength		360	3.38	15.8	
									50/50 Poz			1690	1.31	14.3	
	ATTACHMENTS														
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES															
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER								COMPLETE DRILLING PLAN							
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)							FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER								
<b>I</b> DII	RECTIONAL SU	RVEY PLAN (IF DIRI	ECTIONALLY OR	TOPOGRAPHICAL MAP											
NAME Danielle Piernot TITLE Regulatory Analyst							PHONE 720 929-6156								
SIGNATURE					DATE 11/27/2012 EMAIL					anielle.piernot@anadarko.com					
	ber assigned 047533400	Permit Manager													
							Permit Manager								

